

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
CiphBi -9SERIAL NO.
10/066,359INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Scot R. Weinberger et al.FILING DATE
January 31, 2002GROUP
1743

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DAD	6,027,942	02/2000	Hutchens et al.			
DAD	6,020,208	02/2000	Hutchens et al.			
DAD	6,017,693	01/2000	Yates III et al.			
DAD	5,894,063	04/1999	Hutchens et al.			
DAD	5,719,060	02/1998	Hutchens et al.			
DAD	5,538,897	07/1996	Yates III et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
DAD	WO 98/59362	12/1998	WIPO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
DAD	Bergman, "Ladder Sequencing," <i>EXS</i> 88: 133-144 (2000).
DAD	Biemann et al., "Amino Acid Sequencing of Proteins," <i>Acc. Chem. Res.</i> 27: 370-378 (1994).
DAD	Brockman et al., "Probe-Immobilized Affinity Chromatography/Mass Spectrometry," <i>Anal. Chem.</i> 67: 4581-4585 (1995).
DAD	Brockman et al., "Optimization of a Hydrophobic Solid-phase Extraction Interface for Matrix-Assisted Laser Desorption/Ionization," <i>Journal of Mass Spectrometry</i> 33: 1141-1147 (1998).
DAD	Bundy et al., "Lectin-Based Affinity Capture for MALDI-MS Analysis of Bacteria," <i>Anal. Chem.</i> 71: 1460-1463 (1999).
DAD	Chait et al., "Protein Ladder Sequencing," <i>Science</i> 262: 89-92 (1993).

EXAMINER

DATE CONSIDERED

7-9-02

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

CiphBio-9

10/066,359

APPLICANT

Scot R. Weinberger et al.

FILING DATE

January 31, 2002

GROUP

1743

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER INITIAL	
DAD	Chen et al., "Prostate Specific Antigen in Benign Prostatic Hyperplasia: Purification and Characterization," <i>The Journal of Urology</i> 157: 2166-2170 (1997).
DAD	Eng et al., "An Approach to Correlate Tandem Mass Spectral Data of Peptides with Amino Acid Sequences in a Protein Database," <i>J. Am. Soc. Mass. Spectrom.</i> 5: 976-989 (1994).
DAD	Griffin et al., "Direct Database Searching with MALDI-PSD Spectra of Peptides," <i>Rapid Communications in Mass Spectrometry</i> 9: 1546-1551 (1995).
DAD	Henzel et al., "Identifying Proteins from Two-Dimensional Gels by Molecular Mass Searching of Peptide Fragments in Protein Sequence Databases," <i>Proc. Natl. Acad. Sci. USA</i> 90: 5011-5015 (1993).
DAD	Hutchens et al., "New Desorption Strategies for the Mass Spectrometric Analysis of Macromolecules," <i>Rapid Communications in Mass Spectrometry</i> 7: 576-580 (1993).
DAD	James et al., "Protein Identification by Mass Profile Fingerprinting," <i>Biochemical and Biophysical Research Communications</i> 195: 58-64 (1993).
DAD	Jurinke et al., "Recovery of Nucleic Acids from Immobilized Biotin-Streptavidin Complexes Using Ammonium Hydroxide and Applications in MALDI-TOF Mass Spectrometry," <i>Anal. Chem.</i> 69: 904-910 (1997).
DAD	Kaufman et al., "Sequencing of Peptides in a Time-of-flight Mass Spectrometer: Evaluation of Postsource Decay Following Matrix-assisted Laser Desorption Ionisation (MALDI)," <i>International Journal of Mass Spectrometry and Ion Processes</i> 131: 355-385 (1994).
DAD	Kaufman et al., "Mass Spectrometric Sequencing of Linear Peptides by Product-ion Analysis in a Reflectron Time-of-flight Mass Spectrometer Using Matrix-assisted Laser Desorption Ionization," <i>Rapid Communications in Mass Spectrometry</i> 7: 902-910 (1993).
DAD	Keough et al., "A Method for High-Sensitivity Peptide Sequencing Using Postsource Decay Matrix-assisted Laser Desorption Ionization Mass Spectrometry," <i>Proceedings of the National Academy of Sciences of the USA</i> 96: 7131-7136 (1999).
DAD	Krutchinsky et al., "Orthogonal Injection of Matrix-assisted Laser Desorption/Ionization Ions into a Time-of-flight Spectrometer Through a Collisional Damping Interface," <i>Rapid Communications in Mass Spectrometry</i> 12: 508-518 (1998).
DAD	Liu et al., "Use of a Nitrocellulose Film Substrate in Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry for DNA Mapping and Screening," <i>Anal. Chem.</i> 67: 3482-3490 (1995).
DAD	Mann et al., "Use of Mass Spectrometric Molecular Weight Information to Identify Proteins in Sequence Databases," <i>Biological Mass Spectrometry</i> 22: 338-345 (1993).
DAD	Mann et al., "Error-Tolerant Identification of Peptides in Sequence Databases by Peptide Sequence Tags," <i>Anal. Chem.</i> 66: 4390-4399 (1994).
DAD	Merchant et al., "Recent Advancements in Surface-Enhanced Laser Desorption/Ionization-Time of Flight-Mass Spectrometry," <i>Electrophoresis</i> 21(6): 1164-1177 (April 2000).

EXAMINER

DATE CONSIDERED

7-9-03

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. CiphBio-9	SERIAL NO. 10/066,359
 INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Scot R. Weinberger et al.	
		FILING DATE January 31, 2002	GROUP 1743

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
<i>D.A.D.</i>	Mouradian et al., "A Self-Assembled Matrix Monolayer for UV-MALDI Mass Spectrometry," <i>J. Amer. Chem. Soc.</i> 118: 8639-8645 (1996).
<i>D.A.D.</i>	Nelson et al., "Advances in Surface Plasmon Resonance Biomolecular Interaction Analysis Mass Spectrometry (BIA/MS)," <i>Journal of Molecular Recognition</i> 12: 77-93 (1999).
<i>D.A.D.</i>	Nelson et al., "Peptide Characterization Using Bioreactive Mass Spectrometer Probe Tips," <i>Rapid Communications in Mass Spectrometry</i> 9: 1380-1385 (1995).
<i>D.A.D.</i>	Nelson et al., "Mass Spectrometric immunoassay," <i>Anal. Chem.</i> 67: 1153-1158 (1995).
<i>D.A.D.</i>	Pappin et al., "Rapid Identification of Proteins by Peptide-Mass Fingerprinting," <i>Current Biology</i> 3(6): pp. 327-332 (1993).
<i>D.A.D.</i>	Qian et al., "Two-Dimensional Gel Electrophoresis Detects Prostate-Specific Antigen- α 1-Antichymotrypsin Complex in Serum but not in Prostatic Fluid," <i>Clinical Chemistry</i> 43(2): 352-359 (1997).
<i>D.A.D.</i>	Roepstorff, "Characterization of Proteins by Mass Spectrometry* Invited Lecture," <i>The Analyst</i> 117: 299-303 (1992).
<i>D.A.D.</i>	Spengler et al., "Metastable Decay of Peptides and Proteins in Matrix-assisted Laser-desorption Mass Spectrometry," <i>Rapid Communications in Mass Spectrometry</i> 5: 198-202 (1991).
<i>D.A.D.</i>	Spengler et al., "Peptide Sequencing by Matrix-Assisted Laser-Desorption Mass Spectrometry," <i>Rapid Communications in Mass Spectrometry</i> 6: 105-108 (1992).
<i>D.A.D.</i>	Tang et al., "Matrix-assisted Laser Desorption/Ionization Mass Spectrometry of Immobilized Duplex DNA Probes," <i>Nucleic Acids Research</i> 23: 3126-3131 (1995).
<i>D.A.D.</i>	Warden et al., "Mouse Cellular Nucleic Acid Binding Proteins: A Highly Conserved Family Identified by Genetic Mapping and Sequencing," <i>Genomics</i> 24(1): 14-19 (1994).
<i>D.A.D.</i>	Wei et al., "Desorption-Ionization Mass Spectrometry on Porous Silicon," <i>Nature</i> 399: 243-246 (1999).
<i>D.A.D.</i>	Yates et al., "Peptide Mass Maps: A Highly Informative Approach to Protein Identification," <i>Analytical Biochemistry</i> 214: 397-408 (1993).
<i>D.A.D.</i>	Yates et al., "Method to Correlate Tandem Mass Spectra of Modified Peptides to Amino Acid Sequences in the Protein Database," <i>Anal. Chem.</i> 67: 1426-1436 (1995).
<i>D.A.D.</i>	Yip et al., "Cryptic Antigenic Determinants on the Extracellular Pyruvate Dehydrogenase Complex/Mimeotope Found in Primary Biliary Cirrhosis," <i>The Journal of Biological Chemistry</i> 271: 32825-32833 (1996).
<i>X</i>	<i>X</i>
<i>X</i>	<i>X</i>
<i>X</i>	<i>X</i>
<i>X</i>	<i>X</i>
<i>X</i>	<i>X</i>

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
CiphBio-9

SERIAL NO.
10/066,359

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICANT
W inberger et al.

FILING DATE
January 31, 2002

**GROUP
1743**



U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

[illegible]

EXAMINER

DATE CONSIDERED 7-10-03

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

CiphBi -9

10/066,359

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

APPLICANT

Weinberger et al.

FILING DATE

January 31, 2002

GROUP

1743

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>[Signature]</i>	6,322,970	11/2001	Little et al.			
<i>[Signature]</i>	6,291,189	09/2001	Woods, Jr.			
<i>[Signature]</i>	6,265,716	07/2001	Hunter et al.			
<i>[Signature]</i>	6,140,053	10/2000	Köster			
<i>[Signature]</i>	6,111,251	08/2000	Hillenkamp			

RECEIVED

JAN 16 2003

TC 1700

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
<i>[Signature]</i>							
<i>[Signature]</i>							
<i>[Signature]</i>							
<i>[Signature]</i>							
<i>[Signature]</i>							
<i>[Signature]</i>							

RECEIVED

JAN 22 2003

TECH CENTER 1600/2900

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
<i>[Signature]</i>	Dongrè et al., "Emerging Tandem-Mass-Spectrometry Techniques for the Rapid Identification of Proteins," <i>Tibtech</i> vol. 15: pp. 418-425 (October 1997).
<i>[Signature]</i>	Duncan et al., "Amino Acid Analysis of Peptides and Proteins on the Femtomole Scale by Gas Chromatography/Mass Spectrometry," <i>Anal. Chem.</i> vol. 70: pp. 890-896 (1998).
<i>[Signature]</i>	Haynes et al., "Identification of Gel-Separated Proteins by Liquid Chromatography-Electrospray Tandem Mass Spectrometry: Comparison of Methods and Their Limitations," <i>Electrophoresis</i> vol. 19: pp. 939-945 (1998).
<i>[Signature]</i>	Qin et al., "De Novo Peptide Sequencing in an Ion Trap Mass Spectrometer with 18O Labeling," <i>Rapid Communications in Mass Spectrometry</i> vol. 12: pp. 209-216 (1998).
<i>[Signature]</i>	
<i>[Signature]</i>	
<i>[Signature]</i>	

EXAMINER

DATE CONSIDERED

7-10-03

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.